

1 **IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

2 Serial No.Not Yet Assigned
3 Filing DateNot Yet Assigned
4 InventorshipXie
5 Applicant..... Microsoft Corporation
6 Attorney's Docket No. MS1-1643US
7 Title: Automatic Browsing Path Generation to Present Image Areas with High
8 Attention Value as a Function of Space and Time

9 **INFORMATION DISCLOSURE STATEMENT**

10 *References -- See Attached Form PTO-1449*

11 **REMARKS**

12 The citations listed, copies attached, are submitted in compliance with the
13 duty of disclosure defined in 37 CFR §1.56. The Examiner is requested to make
14 these citations of official record in this application.

15 Respectfully Submitted,

16 Date: 10/16/03

17 By: Brian G. Hart
18 Brian G. Hart
19 Reg. No. 44,421



<div style="display: flex; justify-content: space-between;"><div>Substitute for form 1449B/PTO</div><div>Complete if Known</div></div> <div style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</div> <div style="text-align: center; margin-top: 10px;"><i>(use as many sheets as necessary)</i></div>				<table border="1" style="width: 100%; border-collapse: collapse;"><tr><td style="width: 50%;">Application Number</td><td>Not Yet Assigned</td></tr><tr><td>Filing Date</td><td>Not Yet Assigned</td></tr><tr><td>First Named Inventor</td><td>Xie</td></tr><tr><td>Group Art Unit</td><td>Not Yet Assigned</td></tr><tr><td>Examiner Name</td><td>Not Yet Assigned</td></tr><tr><td>Attorney Docket Number</td><td>MS1-1643US</td></tr></table>		Application Number	Not Yet Assigned	Filing Date	Not Yet Assigned	First Named Inventor	Xie	Group Art Unit	Not Yet Assigned	Examiner Name	Not Yet Assigned	Attorney Docket Number	MS1-1643US
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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		US Patent Application Serial Number 10/286,053 filed November 1, 2002, Inventors Yu-Fei Ma, et al. Entitled "Systems and Methods for Generating a comprehensive User Attention Model" (Attorney Docket MS1-1278US)	
		US Patent Application Serial Number 10/371,125 filed February 20, 2003, Inventors Wei-Ying Ma, et al. Entitled "Systems and Methods for Enhanced Image Adaptation" (Attorney Docket MS1-1406US)	
		LEE, KEANSUB, et al.; "Perception-Based Image Transcoding for Universal Multimedia Access"; School of Electrical Engineering Korea University, Seoul, Korea, 2001 IEEE, pp.475-478	
		M.A. SMITH & T. KANADE, "Video Skimming and Characterization through the Combination of Image and Language Understanding Techniques," Proc. of Computer Vision and Pattern Recognition, 1997 IEEE, pp. 775-781.	
		L. ITTI & C. KOCH, "Computational Modelling of Visual Attention," Nature Reviews/Neuroscience, Vol. 2, March 2001, pp. 1-11.	
		L. ITTI, C. KOCH & E. NIEBUR, "A Model of Saliency-based Visual Attention for Rapid Scene Analysis," IEEE Trans. on Pattern Analysis and Machine Intelligence, 1998, 5 pages.	
		L. ITTI & C. KOCH, "A Comparison of Feature Combination Strategies for Saliency-Based Visual Attention Systems," Proc. of SPIE Human Vision and Electronic Imaging IV (HVEI'99), San Jose, CA, Vol. 3644, pp. 473-82, Jan. 1999.	
		YU-FEI MA & HONG-JIANG ZHANG, "A New Perceived Motion Based Shot Content Representation," Microsoft Research China, 4 pages.	
		YU-FEI MA & HONG-JIANG ZHANG, "A Model of Motion Attention for Video Skimming," Microsoft Research Asia, 4 pages.	
		COLIN O'TOOLE et al., "Evaluation of Automatic Shot Boundary Detection on a Large Video Test Suite," School of Computer Applications & School of Electronic Engineering, Dublin City University, Glasnevin, Dublin, Ireland, Challenge of Image Retrieval, Newcastle, 1999, pp. 1-12.	
		T. LIN, H.J. ZHANG, Q.Y. SHI, "Video Scene Extraction by Force Competition," IEEE Intl. Conference on Multimedia and Expo (ICME 001), Waseda University, Tokyo, Japan, August 22-25, 2001, 4 pages.	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Completeness if Known	
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NON PATENT LITERATURE DOCUMENTS			
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		CHRISTOPOULOS, CHARILAOS et al., "The JPEG2000 Still Image Coding System: An Overview," IEEE Transactions on Consumer Electronics, Vol. 46, No. 4, pp. 1103-1127, November 2000.	
		CHEN, JINLIN et al., "Function-based Object Model Towards Website Adaptation," (2001) Proc. of the 10th Int. WWW Conf. pp. 1-21.	
		U.S. Patent Application Serial No. 10/179,161, filed 06/24/2002, inventors Jin-Lin Chen & Wei-Ying Ma, entitled "Function-based Object Model for Web Page Display in a Mobile Device," (Attorney Docket No. MS1-1216US).	
		U.S. Patent Application Serial No. 10/286,348, filed 11/01/2002, inventors Xian-Sheng Hua et al., entitled "Systems and Methods for Automatically Editing a Video," (Attorney Docket No. MS1-1277US).	
		U.S. Patent Application Serial No. 10/285,933, filed 11/01/2002, inventors Yu-Fei Ma et al., entitled "Systems and Methods for Generating a Motion Attention Model," (Attorney Docket No. MS1-1344US).	

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